Weston Tasks-NFB, HTC & 738 UMR Sites

Niagara County Sites/Responses (In General)

- Weston Personnel
  - Please identify who in Weston is responsible for which task.
    - Within a specific site (i.e. Chad is the current Weston lead at NFB site but Ben may be updating data tables)
    - For other Niagara County sites/responses
  - IDIQ
    - If a response occurs or we need to do work at HTC or 738 UMR, it is my understanding that I would not be able to utilize the services of the IDIQ personnel. Therefore, it is preferable that we have at least one regional Weston technician at the site if possible.
  - As indicated previously, it is preferred that we have a rotating staff of personnel that are familiar with the rad site. Training new personnel is welcomed as long as we have an experienced Weston tech on-site as well.
  - We want to try and upload data to the OneDrive/SharePoint. Earlier in the week I sent links to everyone for NFB and for HTC, 738 UMR and Steelworks today. We want to have the most recent versions of documents there for easy access and organizational purposes.

Niagara Falls Boulevard Site

- Architect
  - Finalize blue prints for GNBC Office Area
  - Spec book to go along with Blue Prints for Bid

- Pace Laboratory
  - Work with OSC/health physicist to determine next steps with sample prep for Pace Lab
  - Ensure that Weston procures Pace specific lab jars when soil/rock/slag samples need to be collected/shipped
  - Pace Lab to ship previous Area 1, 5 and 7 soil samples to NFB Site (Plan arrival for January 4, 2017 the earliest)
  - Pace to start analysis on RFP Nos. 391, 403, and 416 samples as per 01/05/2016 email instructions.

- Tree Survey/Sampling
  - Locate existing Tree File with tree ID# and original GPS locations of each tree. Update this file with survey date, survey results, sample date and HpGe results.
  - Develop procedures with OSC and GES to relocate trees from Area 1 to Area 5.
  - Once tree holders are constructed, put plastic down in designated survey location within Area 5 and place tree holders.
  - A background needs to be established. Determine the size of tree survey area. Once the size is determined let the OSC/HP know and the amount of survey points will be given. A 10 minute count will be taken at each point. Average those values out to eventually get your background in counts per minute.
  - Survey trees along the entire length/circumference of each tree with the pancake probe. A tree is considered not gamma elevated if it is above or below two standard deviation (calculated from the average background. Check with HP).
  - Once tree is cleared, relocate to designate pile location within Area 5. If the tree does not pass, relocate to new staging location in Area 1.
  - Take 10 random samples of the wood chip pile and place in our plastic jars (not Pace Jars). Store sample in trailer until HpGe sample prep procedures are established.
  - Take core samples from the base of specific tree shafts. A drill bit needs to be purchased that will pull a core sample size of wood that will fit within our plastic sample jars. Store sample in trailer until HpGe sample prep procedures are established.
- Germanium (HpGe)
  - Continue to revise procedures and train all Weston personnel on site.
  - Complete analysis for the remainder of the Northeast section of Area 5 and post excavation confirmation samples from that area (Not excavated as of the date of this document)
  - Continue to work with health physicists (Nguyen/Kappelman) with the High-Purity Germanium (HPGe) Detector
    - Maintenance of instrument
    - QC
    - Dewar replacement
    - Nguyen cell: 702-784-8018
    - Kappelman cell: 513-240-6840

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- Cross Reference
  - Please create a cross reference of sampling and gamma survey events (by area, task, date, etc.) in order to be more organized for us all to manage. For Example:
    - August 2015 we performed perimeter soil sample data. The table that goes with that is Table 8a. The figure that goes with that is Figure 7 (or an updated Figure 7C…see next main bullet)
    - March 2016 we performed GNBC interior soil sampling. The figure that goes with that is Figure 2
    - Background samples taken from Weber property in August 2016. Table? This should be incorporated into Figure 7C.
    - Area 5 Gamma Surveys….I have Figure X right now for all the more recent gamma surveys in Areas 1-7. Do we have corresponding tables?

- Area 5 Gamma Survey Figures showing:
  - Continue to update gamma survey figures.
    - Adding missing layers of specific areas yet to be excavated (I.e. the Northwest section that needs to be excavated still).
    - Post Excavation survey of entire Area 5 needs to be completed once excavated.
  - When creating new figures, please create new Figure number.

- NFB Figures in general
  - Updated draft figure map for the external soil samples.
    - Right now I believe Figure 7 with Ra-226/228 soil results is the most recent. Please remove all SAT data from that and call it Figure 7B (I believe we already had a Figure 7A). All soil Ra-226/228 soil results up to this date should be on the figure including the background.
  - Figure 2-GNBC Interior
    - The one I have on file the legend reads "Gamma Screening Results Map" but it is really the sample points with Ra-226/228 soil result.
    - Please revise this Figure with appropriate description and units.

- Figure & Procedure for rad survey of T&D Dump Trailer
  - Create written procedure for the gamma scan by hand held PIC at a specific distances to release dump trailer.
  - Background readings should be taken in the lab trailer as well as a reading at the designated area for the trucks
  - Locate the highest readings on the three sides of the dump trailer. At each side, take a reading on contact. Then take reading 6 feet from the all three sides of the dump trailer. Also a reading needs to be taken in the truck cab.
  - The readings cannot exceed 10 mR/hr on each of the three sides of the trailer and cannot exceed 2 mR/hr.
  - **Investigate iPhone application to input this data instead of paper copies.**

- Soil Sample Status Table that describes (Revised draft emailed to Pete previously):
  - Date soil sample taken
  - Specific area sample was taken from
  - Any other sample description (high concentration layer spot, low concentration layer, post excavation confirmation sample, slag layer)
  - Date soil sample was read on Germanium (only samples that go to the certified lab)
  - Date sample shipped to certified lab
  - Due date for soil sample preliminary results
  - Date soil sample preliminary results received

- Instrumentation written procedures
  - Go over existing written instrumentation/lab procedures with all Weston Personnel.
    - Need Germanium procedure finalized with any new steps and other Weston personnel trained on Germanium
    - The hand held PICS need procedures and QC established.
- Create Excel document that shows all instrument IDs, Agency/Vendor ownership, calibration due dates and location where instrument was shipped from (Both new handheld PICs are from EPA Edison Office). This was on **July 2016** Task List. If completed please send to EPA and print. Also, it was recommended that a column have a formula to show when instruments should be shipped out. Warning column for when Weston checks excel document periodically.

- Post excavation soil sampling clearance document for the GNBC Office Area

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  - This document explains our data and how we determined the area was clean prior to backfill
  - Lyndsey will provide Multi-Agency Radiation Survey and Investigation Manual (MARSSIM) info
  - An example document will be submitted by Lyndsey

- Health Physicists Needs:
  - Do we have depth information of what the office looks like after excavation? Grade minus 12 inches?
  - Please confirm Weston is taking photos of soil samples collected.
  - Archiving swipe data
    - Please file by date and not category and store in banker boxes
    - Group air samples and swipes by date (ziplock them by day).
- Run QC Daily
  - Ludlum 3030
  - Germanium
  - Ludlum 2241/3x3
  - Any other instrument being used at the time (PIC, Ludlum 2x2)
- Continue survey/air monitoring/swipe support to Site work areas/equipment (GNBC Office Area/excavation in Area 5)

Holy Trinity Cemetery Site

- Area #6 & 7
  - Gamma survey figures
  - Soil Sample location figure
  - Soil Sample data table
- Soil Sample results from Pace pending.
- Soil Sample Status Table similar to NFB request with Germanium values
- Please upload these documents directly to the OneDrive and notify OSC when this is done.

738 Upper Mountain Road Site

- Soil Sample results from Pace pending.
- Soil Sample Status Table similar to NFB request with Germanium values
- Please upload these documents directly to the OneDrive and notify OSC when this is done.

Steelworks Industrial Park Fire

- Finalized Report
  - Updated Survey Point Figure with NYSDEC two monitoring locations
  - Create Table with particulate data throughout the response
  - Create separate product with just the evacuation area monitors and the readings when the wind shifted in the early morning of 11/10/2016 and when the evacuation was lifted at noon 11/11/2016
- Please upload these documents directly to OSC website (PDF Form in document section) and the originals in OneDrive. Notify OSC when this is done.